



IHS RPMS
Mental Health & Social Services Reporting System
Version 2.0
(AMH)

Technical Manual

June 1997

Indian Health Service
Resource and Patient Management System (RPMS)

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Mental Health and Social Services Programs Branch
Bill Douglas, Ph.D.
(505) 248-4440

Preface

The Mental Health and Social Services (MH/SS) system is a discipline-specific subsystem of the PCC that uses encounter record IHS T-524 to record staff activities and information relative to patient care. The form merges reporting requirements from both the Generic Activity Reporting System (GARS) and the PCC. This system addresses two major constraints with PCC, namely the capture of data on patient care activities not involving a face-to-face contact with the patient and the recording of problems not clearly identified using the ICD-9-CM coding system. A MH/SS health summary can be generated incorporating data from the MH/SS system, PCC database, and the patient registration system. The module includes an extensive reporting system and an extract capability for reporting statistical data to headquarters.

This manual contains the technical documentation for the IHS RPMS Mental Health and Social Services module, version 2.0. Included here are a system description, routine descriptions, option descriptions, and a variety of other information necessary for use by IRM personnel to operate and maintain the IHS RPMS Mental Health and Social Services software.

Please direct any comments or questions regarding this system to:

Bill Douglas, Ph.D.
Chief of Program Analysis and Research
Mental Health and Social Services Programs Branch
5300 Homestead Road, NE
Albuquerque, NM 87110
Phone: (505) 248-4440
Fax: (505) 248-4257
Douglas,Bill on IHS Mailman

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Introduction

The Mental Health and Social Services (MH/SS) system is a discipline-specific subsystem of the PCC that uses encounter record IHS T-524 to record staff activities and information relative to patient care. The form merges reporting requirements from both the Generic Activity Reporting System (GARS) and the PCC.

The MH/SS system addresses two major constraints with PCC, namely the capture of data on patient care activities not involving a face-to-face contact with the patient and recording problems not clearly identified using the ICD-9-CM coding system. These data can be captured, along with direct patient care information, and retained in a MH/SS data file. PCC data files are automatically updated from this file, eliminating the need for reporting on more than one system.

Confidentiality of information has always been a concern of Mental Health and Social Service providers. Several aspects of this module attempt to address these concerns. Information in the MH/SS data file is accessible only by program staff so programs have to take responsibility for their own data entry. To facilitate the data entry process, users code their own data and may enter data directly into the system. During the setup process, programs can tailor the module for local use by selecting from a series of options that control the specificity of the information passed to the PCC. Sensitive issues can be “glossed” to preclude inadvertent disclosure without significant loss of data for clinical, management, and billing purposes.

Providers may enter data directly for individual contacts, group services, and to report non-clinical activities. In the first two instances, a hard copy of the record can be generated for inclusion in patient’s chart. There is also an option for recording extensive treatment plan information. These data are stored in the MH/SS patient file and a printout of the plan, which includes a routine review component, can be generated for clinical and quality assurance requirements.

The module is designed for use at a specific site and draws on the registration module for patient information. While the module is not dependent on PCC and will run whether or not PCC is implemented, as long as the registration module is operational, we recommend that it be activated as an adjunct to the PCC.

A MH/SS health summary that incorporates data from the MH/SS system, PCC database, and the patient registration system can be generated from within the MH/SS module.

The module also includes an extensive reporting system including standard workload reports, reports for clinical management, and a general retrieval capability for customized report design and generation.

On a regularly scheduled basis, extracts of site-specific data will be forwarded to the Area for consolidation in an Area MH/SS data file. These data extracts are forwarded in flat ASCII files using a standard format, which allows Areas to use whatever Data Base Management System (DBMS) is available. Copies of the consolidated Area data files will be forwarded to

Headquarters and merged into a servicewide SAS data file that will serve as the Headquarters database for the Mental Health and Social Services programs.

Benefits

The system is designed to capture three levels of data: non-clinical activities of providers, behavioral aspects of clinical problems (couched in descriptive terms), and clinical information about specific patients (stored in the MH/SS file in DSM-IV diagnostic terms and passed to PCC in ICD-9-CM Diagnostic terms) so that a much broader range of concerns, problems, and issues can be documented.

In addition to providing much more precise information to the local clinical staff involved in managing these conditions, the system captures the kinds of management-level data that have become particularly important for local and servicewide accountability. The Year 2000 Objectives identified for use with the Indian Health Care Improvement Act (HCIA) are one set of examples that some of these data are designed to address. Mental Health and Social Service programs are particularly concerned with the issues of suicide, child abuse, and domestic violence. The possibility of using a single system, even a single reporting form, to address all of these reporting concerns is, of course, of considerable interest to the potential user. In addition, the specific attention to data issues concerned with third party billing, e.g., case definition, CPT procedure codes, and treatment plan components, strengthen the module.

Implementation and Maintenance

General Information

The Mental Health and Social Services module occupies the AMH namespace. Options, security locks/keys, templates, routines, and globals are namespaced AMH.

The RPMS Site Manager and information systems staff must be aware of several items pertaining to the system implementation and maintenance when the staff begins to use this system:

1. Be sure that only persons authorized to see Mental Health/Social Services data are given the security keys to this package. This is very important to ensure the confidentiality of the data and cannot be stressed enough. Be very careful when assigning these security keys.
2. The MH/SS staff will be performing a monthly export. The export process will produce a file in /usr/spool/uucppublic, as with all other exports. This file should be forwarded to your Area Office. Please coordinate this with the Area Office personnel.
3. The MH/SS system utilizes ScreenMan for entering data. End users may need training or assistance using ScreenMan and FileMan's editors (both the line editor or the screen editor). Help using ScreenMan can be found in the MH/SS User's Manual or in the File Manager User's Manual.
4. The MH/SS module passes data to PCC just like other RPMS modules. Be sure that appropriate users are members of the mail groups that receive mail messages regarding PCC link failures.

System Requirements

- ◆ Kernel 8.0 or higher
- ◆ FileMan 21 or higher
- ◆ 1997 ICD Update (aum_9710)
- ◆ AUPN Patch 4 must be installed.

Security Keys

AMHZMENU	Permits access to top-level menu (AMHMENU).
AMHZMGR	Permits access to supervisory-level/manager options.
AMHZ DATA ENTRY	Permits access to the Data Entry module.
AMHZ RESET TRANS LOG	Permits access to reset the export log.
AMHZDECT	Permits access to the Data Entry Forms Count menu option.
AMHZHS	Permits access to the MH/SS health summary component.
AMHZRPT	Permits access to the Reports module.

Routines

Grouped Routines	Description
AMHBL	Backload PCC data from MH/SS module
AMHBAN	Menu banner routine
AMHDLOG	Display who edited a MH/SS record
AMHDMHPL	Display MH/SS problem list
AMHDPP	Display MH/SS patient profile (health summary)
AMHDVD,AMHVDSG,AMHRDSP,AMHRD ISP	MH/SS record display
AMHEKL	Kill variables
AMHEX*	MH/SS Export routines
AMHFC*	Data entry forms count
AMHGDEL	Kill globals on install
AMHHS*	MH/SS Health Summary component
AMHI*	FileMan init routines
AMHL	List manager export routines
AMHLCD	Data entry driver for case dates
AMHLE*	Data entry routines
AMHRDEL	Delete a record
AMHO*	Protocol inits
AMHPCC*	MH/SS-PCC link
AMHPEDIT	Patient field input transform
AMHPLK	Problem lookup
AMHPOST	Post init
AMHPPLK	Problem manipulation
AMHPREI	Pre init
AMHPROB	Display problems and notes
AMHRAGS	Age/Sex report
AMHR*	Various reports
AMHUTIL	Utilities called package-wide

Callable Routines

The Mental Health/Social Services system has no published, callable entry points.

Files

File #	Global	File Name	Description	*
9002011	AMHREC	MHSS RECORD	This file contains a record for each MH/SS encounter. Some of these may be patient visits, others may be non-patient, administrative activities.	
9002011.01	AMHRPRO	MHSS RECORD PROBLEMS (POVS)	This file contains all of the Problems (Purposes of Visit) for each of the records created in the MH/SS Record file. It contains the problem code, a pointer to the patient, a pointer to the MH/SS Record and the provider narrative.	*
9002011.02	AMHRPROV	MHSS RECORD PROVIDERS	This file contains an entry for each provider who was seen during the visit or the provider who performed the non-patient administrative activity. It contains a pointer to file 200—the provider, a pointer to the patient, a pointer to the MH/SS Record and an indication of whether the provider was the primary provider or a secondary provider.	
9002011.03	AMHRTMDP	MHSS RECORD TREATED MEDICAL PROBS	This file contains an entry for each medical problem treated on a visit.	
9002011.04	AMHRPROC	MHSS RECORD PROCEDURES (CPT)	This file stores all CPT Procedures entered for a particular MH/SS visit. It contains the CPT pointer, a pointer to the MH/SS Record and a pointer to the patient.	
9002011.51	AMHPPROB	MHSS PATIENT PROBLEM LIST	This file contains all problems on the MH/SS Problem list for a patient.	
9002011.52	AMHPPHX	MHSS PATIENT PERSONAL HX	This file contains all personal history items entered for a patient.	
9002011.53	AMHPTP	MHSS PATIENT TREATMENT NOTES	This file contains all treatment notes that are entered for each problem in the MH/SS Patient Problem file.	

9002011.55	AMHPATR	MHSS PATIENT DATA	This file contains patient-related data such as the designated provider.	
9002011.56	AMHPTXP	MHSS PATIENT TREATMENT PLANS	This file contains the Patient Treatment Plans.	
9002011.57	AMHPTXPG	MHSS PATIENT TREATMENT PLAN GOALS	This file contains the treatment goals for a Treatment Plan.	
9002011.58	AMHPCASE	MHSS CASE DATES	This file contains all information about each case that is opened for a patient.	
9002012	AMHTACT	MHSS ACTIVITY CODES	This is a standard table of all activity codes.	*
9002012.1	AMHTSET	MHSS TYPE OF CONTACT	This is a standard table of all settings or types of contact.	*
9002012.2	AMHPROB	MHSS PROBLEM/DSM IV POV CODES	This is a standard table of all DSM codes and MH problem codes.	*
9002012.4	AMHPROBC	MHSS PROBLEM CODES	This is a standard table of all MH Problem codes.	*
9002012.5	AMHPCAT	MHSS PROBLEM CATEGORIES	This is a standard table of all MH Problem Categories.	*
9002012.6	AMHTDXC	MHSS DIAGNOSIS CATEGORIES	This is a standard table of all Diagnosis Categories.	*
9002012.7	AMHTPHF	MHSS PERSONAL HX FACTORS	This is a standard table of all Personal HX Factors.	*
9002012.8	AMHPOCM	MHSS DISPOSITION TYPES	This is a standard table of all Disposition types.	*
9002012.9	AMHTAXIV	MHSS AXIS IV CODES	This is a standard table of AXIS IV definitions.	*
9002013	AMHSITE	MHSS SITE PARAMETERS	MH/SS Site Parameters file.	
9002013.3	AMHSORT	MHSS REPORT SORT	Contains all items and definitions for the general retrieval programs.	*
9002013.4	AMHRCNT	MHSS REPORT CONTROL	Contains information to control certain reports.	*
9002013.8	AMHTRPT	MHSS REPORT TEMPORARY DEFINITION	Is updated with an entry every time a user uses the general retrieval program. Entry is deleted each time unless user states that he/she wants it saved for future use.	

9002013.9	AMHLSS	MHSS LOCAL SERVICE SITE	This file is locally updated with entries defining local service sites that are not in the standard IHS facility or clinic tables.	
9002014	AMHXLOG	MHSS TRANSACTION LOG	This file is the log that keeps track of all exports done at the facility.	
9002014.3	AMHERR	MHSS TRANSACTION ERROR CODES	This is a file of error codes that could occur during the generation of a transaction.	*
9002014.5	AMHDTER	MHSS DATA TRANS ERROR CODES	This is a file of error codes that could occur during the export process.	*

*** Data is distributed with this file.**

Cross-References

MH/SS RECORD

9002011

DATE OF SERVICE (.01)
 1 B REGULAR
 2 AA2 MUMPS
 3 AE MUMPS
 4 AZ1 MUMPS

POSTING DATE (.03)
 1 AD REGULAR

LOCATION OF ENCOUNTER (.04)
 1 AA MUMPS

This cross reference is used to determine and list all visits to one location on any date. "AA", FM DATE, LOCATION IEN, DA

PATIENT (.08)
 1 C REGULAR
 2 AE2 MUMPS
 3 AF MUMPS

DATE LAST MODIFIED (.21)
 1 AEX MUMPS

 MHSS RECORD PROBLEMS (POVS)

9002011.01

PROBLEM CODE (.01)
 1 B REGULAR
 2 AZ9 MUMPS

PATIENT (.02)
 1 AC REGULAR

MHSS RECORD (.03)
 1 AD REGULAR

 MHSS RECORD PROVIDERS

9002011.02

PROVIDER (.01)
 1 B REGULAR
 2 AZ9 MUMPS

PATIENT (.02)
 1 AC REGULAR

MHSS RECORD (.03)
 1 AD REGULAR

MHSS RECORD TREATED MEDICAL PROBS 9002011.03

MEDICAL PROBLEM (.01)
 1 B REGULAR
 2 AZ9 MUMPS

PATIENT (.02)

1 AC REGULAR

MHSS RECORD (.03)
 1 AD REGULAR

 MHSS RECORD PROCEDURES (CPT) 9002011.04

CPT CODE (.01)
 1 B REGULAR

PATIENT NAME (.02)
 1 AC REGULAR

MHSS RECORD (.03)
 1 AD REGULAR

 MHSS PATIENT PROBLEM LIST 9002011.51

PROBLEM CODE (.01)
 1 B REGULAR
 2 AZ9 MUMPS

PATIENT NAME (.02)
 1 AC REGULAR
 2 AATOO MUMPS

FACILITY (.06)
 1 AZ1 MUMPS
 2 AATOO2 MUMPS

NMBR (.07)
 1 AA MUMPS

 MHSS PATIENT PERSONAL HX 9002011.52

FACTOR (.01)
 1 B REGULAR
 2 AA2 MUMPS

PATIENT (.02)
 1 AC REGULAR
 2 AA MUMPS

MHSS PATIENT TREATMENT NOTES 9002011.53

TREATMENT PLAN NUMBER (.01)
 1 B REGULAR
 2 AE2 MUMPS

PATIENT (.02)
 1 AC REGULAR

PROBLEM (.03)
 1 AD REGULAR
 2 AE MUMPS
 3 AY1 MUMPS

MHSS PATIENT DATA 9002011.55

PATIENT NAME (.01)
 1 B REGULAR

MHSS PATIENT TREATMENT PLANS 9002011.56

DATE TREATMENT PLAN ESTAB (.01)
 1 B REGULAR
 2 AZ9 MUMPS

PATIENT NAME (.02)
 1 AC REGULAR
 2 AATOO MUMPS

REVISE/RESOLVE BY DATE (.03)
 1 AF REGULAR

DATE SUPERVISOR CONCURRED (.06)
 1 AZ1 MUMPS
 2 AATOO2 MUMPS

MHSS PATIENT TREATMENT PLAN GOALS 9002011.57

GOAL # (.01)
 1 B REGULAR
 2 AE2 MUMPS

PATIENT (.02)
 1 AC REGULAR

TREATMENT PLAN (.03)
 1 AD REGULAR
 2 AE MUMPS
 3 AY1 MUMPS

MHSS CASE DATES 9002011.58

CASE OPEN DATE (.01)
 1 B REGULAR
 2 AA MUMPS

PATIENT (.02)
 1 C REGULAR
 2 AATOO MUMPS

 MHSS ACTIVITY CODES 9002012

ACTIVITY CODE (.01)
 1 B REGULAR

DESCRIPTION (.02)
 1 C REGULAR

MNEMONIC (.08)
 1 D REGULAR

 MHSS TYPE OF CONTACT 9002012.1

SETTING (.01)
 1 B REGULAR

CODE (.02)
 1 C REGULAR

 MHSS PROBLEM/DSM IV POV CODES 9002012.2

CODE (.01)
 1 B REGULAR
 2 D MUMPS

NARRATIVE (.02)
 1 C REGULAR

ICD9 CODE (P) (.04)
 1 TRIGGER

 MHSS PROBLEM CODES 9002012.4

PROBLEM CODE (.01)
 1 B REGULAR

 MHSS PROBLEM CATEGORIES 9002012.5

NAME (.01)
 1 B REGULAR

 MHSS DIAGNOSIS CATEGORY 9002012.6

DX CATEGORY (.01)
1 B REGULAR

MHSS PERSONAL HX FACTORS 9002012.7

FACTOR (.01)
1 B REGULAR

MHSS DISPOSITION TYPES 9002012.8

DISPOSITION (.01)
1 B REGULAR

CODE (.02)
1 C REGULAR

MHSS AXIS IV CODES 9002012.9

CODE (.01)
1 B REGULAR

AXIS IV (.02)
1 C REGULAR

MHSS SITE PARAMETERS 9002013

SITE (.01)
1 B REGULAR

MHSS REPORT SORT 9002013.3

ITEM (.01)
1 B REGULAR
2 U MUMPS

ORDER ON MENU (.09)
1 C REGULAR

ORDER ON PATIENT MENU (.12)
1 PO REGULAR

MHSS REPORT CONTROL 9002013.4

NAME (.01)
1 B REGULAR

MHSS REPORT TEMPORARY DEFINITION 9002013.8

\$J_\$H (.01)
1 B REGULAR

NAME OF REPORT (.03)
1 C REGULAR

SORT ITEM (.07)
1 TRIGGER

MHSS LOCAL SERVICE SITES 9002013.9

LOCAL SERVICE SITE (.01)
1 B REGULAR

MHSS EXTRACT LOG 9002014

BEGINNING DATE (.01)
1 B REGULAR

MHSS TRANSACTION ERROR CODES 9002014.3

CODE (.01)
1 B REGULAR

SHORT DESCRIPTION (.02)
1 C REGULAR

MHSS DATA TRANS ERROR CODES 9002014.5

ERROR CODE (.01)
1 B REGULAR

Exported Options

Menu list by display terms [MENULIST] MAY 4,1997 10:35 PAGE 1

MENU TEXT	NAME
TYPE	DESCRIPTION

Activity Record Log Data Entry	AMH DE ACT RECORD LOG
run routine	Enter MH/SS data from the Activity Record Log Form
Run routine: AMHLEAR	

Display Patient's Last MH/SS V	AMH DE DISP PAT LAST VISIT
run routine	
Run routine: AMHLELV	

Display MH/SS Record	AMH DE DISPLAY MHSS RECORD
run routine	Display a single MH/SS record in detail.
Run routine: AMHRDISP	

Display a PCC Visit	AMH DE DISPLAY PCC VISIT
run routine	Display a PCC Visit in detail.
Run routine: APCDDISP	

Edit a Record	AMH DE EDIT A RECORD
run routine	
Run routine:	

Count Forms Processed By Data	AMH DE FORM COUNTER
run routine	Count forms entered by operator in a date range specified by the user.
Run routine: AMHFC	

Group Form Data Entry	AMH DE GROUP FORM DE
run routine	Enter MH/SS data from a group form.
Run routine: AMHLEGP	

List MH/SS Records, STANDARD O	AMH DE LIST RECORDS
action	List MH/SS records in a standard output. User selects date range and selects what records to display.
Action: S AMHRPTC=1 D ^AMHRPT	

Display Record Options	AMH DE MENU MORE
menu	
Menu:	

RDSP Display MH/SS Record
 VDSP Display a PCC Visit
 LIST List MH/SS Records, STANDARD Output
 FC Count Forms Processed By Data Entry

Update MH/SS Encounter Data - AMH DE MHSS DE-SCREEN MODE
 run routine

Run routine: AMHLE

Patient Centered Data Entry AMH DE PAT CENT DATA ENTRY
 run routine

Run routine: AMHVRL

Update Patient Data AMH DE PATIENT RELATED
 run routine Enter patient related data - problem list,
 designated provider.

Run routine: AMHLEPAT

Print Encounter Record AMH DE PRINT ENCOUNTER FORMS
 run routine

Run routine: AMHLEFP

Update MHSS Patient Treatment AMH DE UPDATE TREATMENT PLANS
 menu

Menu:

UP Update (add,edit,delete) a Treatment Plan
 DTP Display/Print a Treatment Plan
 RES Print List of Treatment Plans needing Resolved

Display Log of Who Edited Reco AMH DISPLAY WHO EDITED
 run routine

Run routine: AMHDLOG

Add/Edit Local Service Sites AMH E LOCAL SERVICE SITE
 edit

Edit file: AMHLSS(

Update Site Parameters AMH E SITE PARAMETERS
 ScreenMan Update MHSS Site parameter file.

Add Personal History Factors t AMH ENTER PERSONAL HX FACTORS
edit

Edit file: AMHTPHF(

Check Records Before Export AMH EXPORT CHECK RECORDS
run routine Run a check on the records that will be exported.
Prints out any errors found.

Run routine: AMHEXC

Display a Log Entry AMH EXPORT DISPLAY LOG
run routine Display one Extract Log entry.

Run routine: AMHEXDSP

Print Error List for Export AMH EXPORT ERROR DISPLAY
run routine Print errors encountered during an export.

Run routine: AMHEXP RN

Generate MHSS Transactions for AMH EXPORT GENERATE TXS
run routine Generate MHSS Transactions.

Run routine: AMHEXD

Print Export Log AMH EXPORT PRINT LOG
print Print Export Log

Print file AMHXLOG(

Re-generate Transactions AMH EXPORT RE-GEN TRANS
run routine Re-generate transactions that were generated
previously.

Run routine: AMHEXRE

Re-set Data Export Log AMH EXPORT RESET LOG
run routine Reset log entry.

Run routine: AMHEXRST

Create OUTPUT File AMH EXPORT TAPE
run routine Create Output tape.

Run routine: AMHEXTAP

MH/SS Data Entry Menu AMH M DATA ENTRY MENU
menu This menu option contains all options for the data
entry portion
of the MH/SS system.

Menu:

SDE Update MH/SS Encounter Data - Screen Entry
 RDE Update MH/SS Encounter Data (traditional mode)
 PDE Patient Centered Data Entry
 GRP Group Form Data Entry
 ACT Activity Record Log Data Entry
 UPT Update Patient Data
 PLV Display Patient's Last MH/SS Visit
 PRT Print Encounter Record
 TPU Update MHSS Patient Treatment Plans ...
 GHS Generate Health Summary
 BHS Browse Health Summary
 DSP Display Record Options ...

Export Utility Menu
 menu

AMH M EXPORT UTILITY
 Export Utility Menu.

Menu:

GEN Generate MHSS Transactions for HQ
 OUTP Create OUTPUT File
 DISP Display a Log Entry
 PRNT Print Export Log
 RGEN Re-generate Transactions
 RSET Re-set Data Export Log
 CHK Check Records Before Export
 ERRS Print Error List for Export

Manager Utilities
 menu

AMH M MANAGER UTILITIES
 Manager's Utilities.

Menu:

SITE Update Site Parameters
 EXPT Export Utility Menu ...
 RPFF Re-Set Patient Flag Field Data
 DLWE Display Log of Who Edited Record
 ELSS Add/Edit Local Service Sites
 EPHX Add Personal History Factors to Table

Patient Listings
 menu

AMH M PATIENT LISTINGS

Menu:

ACL Active Client List
 PGEN Patient General Retrieval
 DP Designated Provider List
 GRT Patients with AT LEAST N Visits
 ACO Active Client List Using Case Open Date
 AGE Patients Seen by Age and Sex
 PERS Patient List for Personal Hx Items
 SEEN Cases Opened But Patient Not Seen in N Days
 TCD Tally Cases Opened/Admitted/Closed

Print Standard MH/SS Tables
 menu

AMH M PRINT TABLES

Menu:

ACT Print Activity Code Table
 CLN Print Clinic Codes
 DSM Print MH/SS Problem/DSM IV Table
 PROB Print MH/SS Problem Codes

Problem Specific Reports AMH M PROBLEM SPECIFIC
menu

Menu:

SUIC Suicide Report (Age&Sex)
ABU Abuse Report (Age&Sex)
FDSM Frequency of Problems
FPRB Frequency of Problems (Problem Code Groupings)
FPRC Frequency of Problems by Problem Category

MH/SS Record/Encounter Reports AMH M RECORD/ENCOUNTER REPORTS
menu

Menu:

LIST List MH/SS Records, STANDARD Output
GEN List MH/SS Records, GENERAL RETRIEVAL Output
BILL Potentially Billable MH/SS Visits

Reports Menu AMH M REPORTS
menu

Menu:

PAT Patient Listings ...
REC MH/SS Record/Encounter Reports ...
WL Workload/Activity Reports ...
PROB Problem Specific Reports ...
PCCM PCC Management Reports ...
QMAN Q-Man (PCC Query Utility)
TABL Print Standard MH/SS Tables ...

Workload/Activity Reports AMH M WORKLOAD REPORTS
menu

Menu:

GRS1 Activity Report (GARS #1)
GRS2 Activity Report by Primary Problem (GARS #2)
ACT Activity Record Counts
PROG Program Activity Time Reports
FACT Frequency of Activities
FCAT Frequency of Activities by Category

Abuse Report (Age&Sex) AMH P ABUSE
run routine

Run routine: AMHRPS

Active Client List Using Case AMH P ACT CLIENT (CASE OPEN)
run routine

Run routine: AMHRP4

Activity Report (GARS #1) AMH P ACT RPT GARS 1
run routine

Run routine: AMHRP2

Activity Report by Primary Pro AMH P ACT RPT GARS 2
run routine

Run routine: AMHRP3

Patients Seen by Age and Sex AMH P AGE/SEX VISIT COUNTS
action

Action: S AMHRPTC=5 D ^AMHRPT

Designated Provider List AMH P DESIGNATED PROV LIST
run routine

Run routine: AMHRP7

Frequency of Activities AMH P FREQ ACT
action

Action: S AMHRRPT="A",AMHRPTC=6 D ^AMHRPT

Frequency of Activities by Cat AMH P FREQ ACT CAT
action

Action: S AMHRRPT="AC",AMHRPTC=6 D ^AMHRPT

Frequency of Problems by Probl AMH P FREQ PROBLEM CAT
action

Action: S AMHRRPT="PRBC",AMHRPTC=6 D ^AMHRPT

Frequency of Problems AMH P FREQ PROBLEMS (DSM)
action

Action: S AMHRRPT="PRBD",AMHRPTC=6 D ^AMHRPT

Frequency of Problems (Problem AMH P FREQ PROBLEMS (MH/SS)
action

Action: S AMHRRPT="PRB",AMHRPTC=6 D ^AMHRPT

Cases Opened But Patient Not S AMH P OPEN NOT SEEN
run routine

Run routine: AMHRC1

Active Client List AMH P PAT ACTIVE CLIENT LIST
run routine

Run routine: AMHRP8

Patients with AT LEAST N Visit AMH P PAT AT LEAST
run routine

Run routine: AMHRP9

Patient General Retrieval AMH P PATIENT GEN RETR
action

Action: S AMHPTVS="P" D ^AMHRL

Patient List for Personal Hx I AMH P PERSONAL HX PAT LIST
print

Print file AMHPPHX(

Potentially Billable MH/SS Vis AMH P POTENTIALLY BILL VISITS
run routine

Run routine: AMHRBV

Suicide Report (Age&Sex) AMH P PROB SUICIDE
action

Action: S AMHPROB(39)="",AMHPROB(40)="",AMHPROB(41)="",AMHTITLE="SUICIDE REPORT" D ^AMHRPS

Program Activity Time Reports AMH P PROGRAM ACTIVITY RPTS
action

Action: S AMHRPTC=4 D ^AMHRPT

List MH/SS Records, GENERAL RE AMH P RECORD GEN RETRIEVAL
action

Action: S AMHPTVS="V" D ^AMHRL

Activity Record Counts AMH P REPORTS AR CNTS
action

Action: S AMHRPTC=3 D ^AMHRPT

Print Activity Code Table AMH P TABLES ACTIVITY
print

Print file AMHTACT(

Print Clinic Codes AMH P TABLES CLINIC
print

Print file DIC(40.7,

Print MH/SS Problem/DSM IV Tab AMH P TABLES MH/SS PROBLEM DSM
print

Print file AMHPROB(

Print MH/SS Problem Codes AMH P TABLES MHSS PROB CODES
print

Print file AMHPROBC(

Print Type of Contact Table AMH P TABLES TOC

Tally Cases Opened/Admitted/Cl AMH P TALLY CASES
run routine

Run routine: AMHRC2

Re-Set Patient Flag Field Data AMH RESET PATIENT FLAG FIELD
run routine

Run routine: RESET^AMHRSFD

Display/Print a Treatment Plan AMH TP PRINT TP
run routine

Run routine: AMHLETP

Print List of Treatment Plans AMH TP PRINT UNRESOLVED
run routine

Run routine: AMHLETR

Update (add,edit,delete) a Tre AMH TP UPDATE
run routine

Run routine: AMHLETP

Update MH/SS Encounter Data (r AMH UPDATE RECORDS
run routine This option is the data entry portion of MH/SS.

Run routine: AMHLE

Mental Health / Social Service AMHMENU
menu This is the Main Menu Option for the MH/SS Package

Menu:

DE MH/SS Data Entry Menu ...
RPTS Reports Menu ...
MUTL Manager Utilities ...

Menu Diagram

Mental Health / Social Services System (AMHMENU)

* * LOCKED: AMHZMENU * *

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---DE MH/SS Data Entry ---SDE Update MH/SS
Menu [AMH M DATA Encounter Data -
ENTRY MENU] Screen Entry
**LOCKED: AMHZ [AMH DE MHSS
DATA ENTRY** DE-SCREEN MODE]

-----RDE Update MH/SS
Encounter Data
(roll n scroll
mode) [AMH
UPDATE RECORDS]

-----PDE Patient Centered
Data Entry [AMH
DE PAT CENT DATA
ENTRY]

-----GRP Group Form Data
Entry [AMH DE
GROUP FORM DE]

-----ACT Activity Record
Log Data Entry
[AMH DE ACT
RECORD LOG]

-----UPT Update Patient
Data [AMH DE
PATIENT RELATED]

-----PLV Display
Patient's Last
MH/SS Visit [AMH
DE DISP PAT LAST
VISIT]

-----PRT Print Encounter
Record [AMH DE
PRINT ENCOUNTER
FORMS]

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-----TPU Update MHSS -----	-----UP Update
Patient	(add,edit,delete
Treatment Plans) a Treatment
[AMH DE UPDATE	Plan [AMH TP
TREATMENT PLANS]	UPDATE]
	-----DTP Display/Print a
	Treatment Plan
	[AMH TP PRINT
	TP]
	-----RES Print List of
	Treatment Plans
	needing Resolved
	[AMH TP PRINT
	UNRESOLVED]
	-----GHS Generate Health
	Summary
	[APCHSUM]
	-----BHS Browse Health
	Summary
	[APCHSBRW]
-----DSP Display Record -----	-----RDSP Display MH/SS
Options [AMH DE	Record [AMH DE
MENU MORE]	DISPLAY MHSS
	RECORD]
	-----VDSP Display a PCC
	Visit [AMH DE
	DISPLAY PCC
	VISIT]
	-----LIST List MH/SS
	Records,
	STANDARD Output
	[AMH DE LIST
	RECORDS]
	-----FC Count Forms
	Processed By
	Data Entry [AMH
	DE FORM COUNTER]
	**LOCKED:
	AMHZDECT**

-RPTS Reports Menu [AMH M REPORTS] **LOCKED: AMHZRPT**	-----PAT Patient Listings [AMH M PATIENT LISTINGS]	-----ACL Active Client List [AMH P PAT ACTIVE CLIENT LIST]
		-----PGEN Patient General Retrieval [AMH P PATIENT GEN RETR]
		-----DP Designated Provider List [AMH P DESIGNATED PROV LIST]
		-----GRT Patients with AT LEAST N Visits [AMH P PAT AT LEAST]
		-----ACO Active Client List Using Case Open Date [AMH P ACT CLIENT (CASE OPEN)]
		-----AGE Patients Seen by Age and Sex [AMH P AGE/SEX VISIT COUNTS]
		-----PERS Patient List for Personal Hx Items [AMH P PERSONAL HX PAT LIST]
		-----SEEN Cases Opened But Patient Not Seen in N Days [AMH P OPEN NOT SEEN]
		-----TCD Tally Cases Opened/Admitted/ Closed [AMH P TALLY CASES]

-----REC MH/SS ----- Record/Encounter Reports [AMH M RECORD/ENCOUNTER REPORTS]	-----LIST List MH/SS Records, STANDARD Output [AMH DE LIST RECORDS]
	-----GEN List MH/SS Records, GENERAL RETRIEVAL Output [AMH P RECORD GEN RETRIEVAL]
	-----BILL Potentially Billable MH/SS Visits [AMH P POTENTIALLY BILL VISITS]
-----WL Workload/Activit- y Reports [AMH M WORKLOAD REPORTS]	-----GRS1 Activity Report (GARS #1) [AMH P ACT RPT GARS 1]
	-----GRS2 Activity Report by Primary Problem (GARS #2) [AMH P ACT RPT GARS 2]
	-----ACT Activity Record Counts [AMH P REPORTS AR CNTS]
	-----PROG Program Activity Time Reports [AMH P PROGRAM ACTIVITY RPTS]
	-----FACT Frequency of Activities [AMH P FREQ ACT]
	-----FCAT Frequency of Activities by Category [AMH P FREQ ACT CAT]

-----PROB	Problem Specific Reports [AMH M PROBLEM SPECIFIC]	-----SUIC	Suicide Report (Age&Sex) [AMH P PROB SUICIDE]
		-----ABU	Abuse Report (Age&Sex) [AMH P ABUSE]
		-----FDSM	Frequency of Problems [AMH P FREQ PROBLEMS (DSM)]
		-----FPRB	Frequency of Problems (Problem Code Groupings) [AMH P FREQ PROBLEMS (MH/SS)]
		-----FPRC	Frequency of Problems by Problem Category [AMH P FREQ PROBLEM CAT]
-----PCCM	PCC Management Reports		
-----TABL	Print Standard MH/SS Tables [AMH M PRINT TABLES]	-----ACT	Print Activity Code Table [AMH P TABLES ACTIVITY]
		-----CLN	Print Clinic Codes [AMH P TABLES CLINIC]
		-----DSM	Print MH/SS Problem/DSM IV Table [AMH P TABLES MH/SS PROBLEM DSM]
		-----PROB	Print MH/SS Problem Codes [AMH P TABLES MHSS PROB CODES]

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-MUTL Manager -----SITE Update Site
Utilities [AMH M      Parameters [AMH
MANAGER              E SITE
UTILITIES]           PARAMETERS]
**LOCKED:
AMHZMGR**

-----EXPT Export Utility -----GEN Generate MHSS
Menu [AMH M          Transactions for
EXPORT UTILITY]      HQ [AMH EXPORT
                     GENERATE TXS]

                     -----OUTP Create OUTPUT
                     File [AMH EXPORT
                     TAPE]

                     -----DISP Display a Log
                     Entry [AMH
                     EXPORT DISPLAY
                     LOG]

                     -----PRNT Print Export Log
                     [AMH EXPORT
                     PRINT LOG]

                     -----RGEN Re-generate
                     Transactions
                     [AMH EXPORT
                     RE-GEN TRANS]

                     -----RSET Re-set Data
                     Export Log [AMH
                     EXPORT RESET
                     LOG]
                     **LOCKED: AMHZ
                     RESET TRANS
                     LOG**

                     -----CHK Check Records
                     Before Export
                     [AMH EXPORT
                     CHECK RECORDS]

                     -----ERRS Print Error List
                     for Export [AMH
                     EXPORT ERROR
                     DISPLAY]

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	-----RPFF Re-Set Patient Flag Field Data [AMH RESET PATIENT FLAG FIELD]
	-----DLWE Display Log of Who Edited Record [AMH DISPLAY WHO EDITED]
	-----ELSS Add/Edit Local Service Sites [AMH E LOCAL SERVICE SITE]
	-----EDUC Education Topics Enter/Edit [APCD EDUCATION TOPICS ADD/EDIT]
	-----EPHX Add Personal History Factors to Table [AMH ENTER PERSONAL HX FACTORS]

Archiving and Purging

There is no archiving and purging in this package.

External Relations

This package calls the following documented entry points:

- ^AMQQGTX0
- ^APCDALV
- ^APCDALVR
- ^APCDDISP
- ^APCDVDLT
- PRTTXT^APCHSUTL
- ^AUPNPAT

Internal Relations

All users should be given the access to the appropriate options and keys to them, as needed. All of the options in this system stand alone.

How to Generate On-Line Documentation

The file number range for this package is 9001015-9001021. The namespace is AMH. All templates, routines, screen forms, etc., begin with AMH.

This section describes some of the methods by which users can generate Mental Health / Social Services system technical documentation. Online technical documentation pertaining to the Mental Health / Social Services software, in addition to that which is located in the help prompts and on the help screens throughout the Mental Health / Social Services package, can be generated through the use of several Kernel options. These include, but are not limited to, the following:

- ◆ %INDEX
- ◆ Menu Management
- ◆ Inquire Option
- ◆ Print Option File
- ◆ VA FileMan
- ◆ Data Dictionary Utilities
- ◆ List File Attributes

Entering question marks at the “Select...Option” prompts can also provide users with valuable technical information. For example, a single question mark (?) lists all options that can be accessed from the current option. Entering two question marks (??) lists all options accessible from the current one, showing the formal name and lock for each. Three question marks (???) displays a brief description for each option in a menu, whereas an option name preceded by a question mark (?OPTION) shows extended help, if available, for that option.

For a more exhaustive option listing and further information about other utilities that supply online technical information, please consult the DHCP Kernel Reference manual.

%INDEX

This option analyzes the structure of a routine to determine in part if the routine adheres to RPMS Programming Standards. The %INDEX output can include the following components:

- ◆ Compiled list of errors and warnings
- ◆ Routine listing
- ◆ Local variables
- ◆ Global variables
- ◆ Naked globals
- ◆ Label references
- ◆ External references

By running %INDEX for a specified set of routines, you are afforded the opportunity to discover any deviations from RPMS Programming Standards that exist in the selected routines and to see how routines interact with one another (i.e., which routines call or are called by other routines).

To run %INDEX for the Mental Health / Social Services package, specify the AMH namespace at the Routine(s)?> prompt.

Note: MH/SS initialization routines that reside in the UCI in which %INDEX is being run, compiled template routines, and local routines found within the AMH namespace should be omitted at the Routine(s)?> prompt. To omit routines from selection, preface the namespace with a minus sign (-).

Inquire Option

This menu management option provides the following information about a specified option:

- ◆ Option name
- ◆ Menu text

Option description

- ◆ Type of option
- ◆ Lock (if any)

In addition, all items on the menu are listed for each menu option. To secure information about Mental Health/Social Services options, you must specify the AMH namespace.

Print Option File

This utility generates a listing of options from the Option file (#19). You can choose to print all of the entries in this file or you can specify a single option or range of options. For a list of Mental Health/Social Services options, please refer to the Exported Options section of this manual.

List File Attributes

This VA FileMan option allows you to generate documentation pertaining to files and file structure. Using the Standard format of this option yields the following data dictionary information for a specified file:

- ◆ File name and description
- ◆ Identifiers
- ◆ Cross-references
- ◆ Files pointed to by the file specified
- ◆ Files that point to the file specified
- ◆ Input, print, and sort templates

In addition, the following applicable data is supplied for each field in the file:

- ◆ Field name, number, title, and description
- ◆ Global location
- ◆ Help prompt
- ◆ Cross-references
- ◆ Input transform
- ◆ Date last edited
- ◆ Notes

Using the Global Map format of this option generates an output that lists the following information:

- ◆ All cross-references for the file selected
- ◆ Global location of each field in the file
- ◆ Input, print, and sort templates

For a comprehensive listing of Mental Health/Social Services package files, please refer to the Files section of this manual.

SAC Requirements/Exemptions

There were no exemptions necessary for this package.

GLOSSARY

Access Code	A password used along with the verify code to provide secure user access. It is used by the Sign-on/Security system to identify the user.
Callable Entry Points	Places in a routine that can be called from an application program.
Cross-reference	An indexing method whereby files can include pre-sorted lists of entries as part of the stored database. Cross-references (x-refs) facilitate lookup and reporting.
Data Attribute	A characteristic of a unit of data, such as length, value, or method of representation.
Data Dictionary	A Data Dictionary (DD) contains the definitions of a file's elements (fields or data attributes), relationships to other files, and structure or design.
DSM	Diagnostic and Statistical Manual of Mental Disorders
Entry Point	Entry point within a routine that is referenced by a "DO" or "GOTO" command from a routine internal to a package.
File	A set of related records or entries treated as a single unit.
File Manager	The database management system. The central component of the Kernel that defines the way standard files are structured and manipulated.
FileMan	The database management system for RPMS.
Internal Entry Number	The number used to identify an entry within a file. Every record has a unique internal entry number. Abbreviated IEN.
Kernel	The set of MUMPS software utilities that function as an intermediary between the host operating system and application packages, such as Mental Health. The Kernel provides a standard and consistent user and programmer interface between application packages and the underlying MUMPS implementation. These utilities provide the foundation for RPMS.

MailMan	An electronic mail system that allows users to send and receive messages via the RPMS computer. Electronic mail messages received via MailMan may also be bulletins that are automatically generated or server-handled data transmissions.
Namespace	A unique set of 2 to 4 alpha characters that are assigned by the database administrator to a software application.
Option	An entry in the Option file. As an item on a menu, an option provides an opportunity for users to select it, thereby invoking the associated computing activity. Options may also be scheduled to run in the background, non-interactively, by TaskMan.
Package	The set of programs, files, documentation, on-line help, and installation procedures required for a given software application package identified by a unique namespace. Elements include routines, files, and file entries from the Option, Key, Help Frame, Bulletins, Function, Sort/Print/Input Template, and Form/Block files. Packages are transported using FileMan's DIFROM routine, which creates initialization (init) routines to bundle the files and entries for export.
Package-wide Variable	A variable that, for a particular application package, has a standard and documented meaning. Some package-wide variables may need to be defined at all times during package use. Also called a key variable.
Programmer Mode	Entry into an application directly from the MUMPS prompt instead of from the menu system; for example, by typing D P^DI.
Prompt	A question or message issued interactively that requires a response.
Routine	A program or sequence of instructions called by a program that may have some general or frequent use. MUMPS routines are groups of program lines that are saved, loaded, and called as a single unit via specific name.
RPMS	Resource and Patient Management System.
ScreenMan	A screen-oriented utility that supports creation, alteration, and presentation of screens for data editing and data display.

Secondary Menus	Options assigned to individual users to tailor their menu choices. If a user needs a few option in addition to those available on the Primary menu, the options can be assigned as secondary options. To facilitate menu jumping, secondary menus should be specific activities, not elaborate and deep menu trees.
Utility	A callable routine line tag or function. A universal routine usable by anyone.
Variable	A character or group of characters that refer to a value. MUMPS recognizes 3 types of variables: local variables, global variables, and special variables. Local variables exist in a partition of the main memory and disappear at sign-off. A global variable is stored on disk, potentially available to any user. Global variables usually exist as parts of global arrays.